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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS	23	MAR 03	MEDLINE and LMEADLINE reloaded
NEWS	24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	25	MAR 03	FRANCEPAT now available on STN
NEWS	EXPRESS		MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS	HOURS		STN Operating Hours Plus Help Desk Availability
NEWS	INTER		General Internet Information
NEWS	LOGIN		Welcome Banner and News Items
NEWS	PHONE		Direct Dial and Telecommunication Network Access to STN
NEWS	WWW		CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:21:38 ON 12 MAR 2004

=> file medline, agricola, caba, caplus, biosis, biotechno, uspatfull		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 18:21:50 ON 12 MAR 2004

FILE 'AGRICOLA' ENTERED AT 18:21:50 ON 12 MAR 2004

FILE 'CABA' ENTERED AT 18:21:50 ON 12 MAR 2004

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FILE 'CAPLUS' ENTERED AT 18:21:50 ON 12 MAR 2004

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FILE 'BIOTECHNO' ENTERED AT 18:21:50 ON 12 MAR 2004

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FILE 'USPATFULL' ENTERED AT 18:21:50 ON 12 MAR 2004

CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> s atriplex(w)hortensis

L1 288 ATRIPLEX(W) HORTENSIS

=> s betaine(w)aldehyde(w)dehydrogenase

L2 632 BETAINE(W) ALDEHYDE(W) DEHYDROGENASE

=> s l1 and l2

L3 13 L1 AND L2

=> duplicate remove l3

DUPLICATE PREFERENCE IS 'AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L3

L4 7 DUPLICATE REMOVE L3 (6 DUPLICATES REMOVED)

=> d l4 1-7 ti

L4 ANSWER 1 OF 7 AGRICOLA Compiled and distributed by the National
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(2004) on STN DUPLICATE 1

TI Transformation of tomato with the BADH gene from Atriplex improves salt
tolerance.

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI Transgenic turfgrass expressing **betaine aldehyde
dehydrogenase** with increased drought and salt tolerance

L4 ANSWER 3 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Transformation of wheat with a gene encoding for the **betaine
aldehyde dehydrogenase** (BADH).

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI Transformation of wheat with a gene encoding for the **betaine aldehyde dehydrogenase** (BADH)

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI **Betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2

TI Expression of **betaine aldehyde dehydrogenase** gene and salinity tolerance in rice transgenic plants

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3

TI Salt tolerance of transgenic plants transformed with **betaine aldehyde dehydrogenase** cDNA

=> d 14 1-7 bib

L4 ANSWER 1 OF 7 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 1

AN 2003:27795 AGRICOLA

DN IND23315237

TI Transformation of tomato with the BADH gene from Atriplex improves salt tolerance.

AU Jia, G.X.; Zhu, Z.Q.; Chang, F.Q.; Li, Y.X.

SO Plant cell reports, Aug 2002. Vol. 21, No. 2. p. 141-146
Publisher: Berlin : Springer-Verlag.
CODEN: PCRPD8; ISSN: 0721-7714

NTE Includes references

CY Germany

DT Article

FS Non-U.S. Imprint other than FAO

LA English

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:144994 CAPLUS

DN 132:176621

TI Transgenic turfgrass expressing **betaine aldehyde dehydrogenase** with increased drought and salt tolerance

IN Chen, Tseh An; Chen, Shou-Yi; Zhang, Geng-Yun; Belanger, Faith C.

PA Rutgers, the State University of New Jersey, USA

SO PCT Int. Appl., 38 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000011138	A1	20000302	WO 1999-US20849	19990824
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9963862	A1	20000314	AU 1999-63862	19990824
EP 1108010	A1	20010620	EP 1999-951422	19990824
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRAI US 1998-97684P P 19980824

WO 1999-US20849 W 19990824

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2000:388017 BIOSIS
DN PREV200000388017
TI Transformation of wheat with a gene encoding for the **betaine aldehyde dehydrogenase** (BADH).
AU Guo Bei-Hai; Zhang Yan-Min; Li Hong-Jie; Du Li-Qun; Li Yin-Xin; Zhang Jin-Song; Chen Shou-Yi; Zhu Zhi-Qing [Reprint author]
CS Institute of Botany, Chinese Academy of Sciences, Beijing, 100093, China
SO Acta Botanica Sinica, (Mar., 2000) Vol. 42, No. 3, pp. 279-283. print.
CODEN: CHWHAY. ISSN: 0577-7496.
DT Article
LA Chinese
ED Entered STN: 13 Sep 2000
Last Updated on STN: 8 Jan 2002

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:294083 CAPLUS
DN 133:203545
TI Transformation of wheat with a gene encoding for the **betaine aldehyde dehydrogenase** (BADH)
AU Guo, Bei-Hai; Zhang, Yan-Min; Li, Hong-Jie; Du, Li-Qun; Li, Yin-Xin; Zhang, Jin-Song; Chen, Shou-Yi; Zhu, Zhi-Qing
CS Inst. Botany, Chinese Acad. Sci., Beijing, 100093, Peop. Rep. China
SO Zhiwu Xuebao (2000), 42(3), 278-283
CODEN: CHWHAY; ISSN: 0577-7496
PB Kexue Chubanshe
DT Journal
LA Chinese

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:416840 CAPLUS
DN 133:55314
TI **Betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants
IN Chen, Shouyi; Xiao, Gang; Zhang, Gengyun; Liu, Fenghua; Wang, Jun
PA Plant Biotechnology Laboratory, Genetic Inst., Chinese Academy of Sciences, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 15 pp.
CODEN: CNXXEV
DT Patent
LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1221034	A	19990630	CN 1997-125830	19971225
	CN 1078613	B	20020130		
PRAI	CN 1997-125830		19971225		

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
AN 1997:643787 CAPLUS
DN 127:315257
TI Expression of **betaine aldehyde dehydrogenase** gene and salinity tolerance in rice transgenic plants
AU Guo, Yan; Zhang, Li; Xiao, Gang; Cao, Shouyun; Gu, Dongmei; Tian, Wenzhong; Chen, Shouyi
CS Chinese Acad. Scis., Inst. Genetics, Beijing, 100101, Peop. Rep. China
SO Science in China, Series C: Life Sciences (1997), 40(5), 496-501
CODEN: SCCLFO; ISSN: 1006-9305
PB Science in China Press

DT Journal
 LA English

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3
 AN 1997:534865 CAPLUS
 DN 127:188385
 TI Salt tolerance of transgenic plants transformed with **betaine aldehyde dehydrogenase** cDNA
 AU Liu, Fenghua; Guo, Yan; Gu, Dongmei; Xiao, Gang; Chen, Zhenhua; Chen, Shouyi
 CS Institute of Genetics, Chinese Academy of Science, Beijing, 100101, Peop. Rep. China
 SO Yichuan Xuebao (1997), 24(1), 54-58
 CODEN: ICHPCG; ISSN: 0379-4172
 PB Kexue
 DT Journal
 LA Chinese

=> d his

(FILE 'HOME' ENTERED AT 18:21:38 ON 12 MAR 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL' ENTERED AT 18:21:50 ON 12 MAR 2004

L1 288 S ATRIPLEX(W) HORTENSIS
 L2 632 S BETAINES(W) ALDEHYDE(W) DEHYDROGENASE
 L3 13 S L1 AND L2
 L4 7 DUPLICATE REMOVE L3 (6 DUPLICATES REMOVED)

=> s l4 and grass

L5 1 L4 AND GRASS

=> d l5 ti

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Transgenic turfgrass expressing **betaine aldehyde dehydrogenase** with increased drought and salt tolerance

=> s l4 and turfgrass

L6 1 L4 AND TURFGRASS

=> d l4 7 kwic

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3
 TI Salt tolerance of transgenic plants transformed with **betaine aldehyde dehydrogenase** cDNA
 AB **Atriplex hortensis** BADH (**betaine aldehyde dehydrogenase**) cDNA was transferred into strawberry and tobacco by Agrobacterium-mediated transformation. The salt-tolerance of transgenic plants was much higher than their. . .
 ST **Atriplex betaine aldehyde dehydrogenase** transgenic plant; **betaine aldehyde dehydrogenase** cDNA transgenic plant; salt tolerance transgenic plant gene
 IT Stress, plant
 (salinity; salt tolerance of transgenic plants transformed with **betaine aldehyde dehydrogenase** cDNA)
 IT **Atriplex hortensis**
 (salt tolerance of transgenic plants transformed with **betaine aldehyde dehydrogenase** cDNA)
 IT Gene, plant
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(salt tolerance of transgenic plants transformed with **betaine aldehyde dehydrogenase** cDNA)

IT Strawberry (*Fragaria chiloensis*)
Tobacco
(transgenic; salt tolerance of transgenic plants transformed with **betaine aldehyde dehydrogenase** cDNA)

IT 9028-90-4
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(salt tolerance of transgenic plants transformed with **betaine aldehyde dehydrogenase** cDNA)

=> d 14 5 kwic

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI **Betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants

AB **Betaine aldehyde dehydrogenase** (BADH) gene is cloned from **Atriplex hortensis** and used to generate transgenic plants including dicotyledon and monocotyledon. The transgenic plants of strawberry or tobacco made by agrobacterium-mediated. . .

ST **betaine aldehyde dehydrogenase** cDNA sequence
transgenic plant genetic engineering; salt resistance transgenic plant **betaine aldehyde dehydrogenase** gene

IT **Atriplex hortensis**
Genetic engineering
Molecular cloning
(**betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants)

IT cDNA sequences
(for **betaine aldehyde dehydrogenase** of **Atriplex hortensis**; **betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants)

IT Gene, plant
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(for **betaine aldehyde dehydrogenase** of **Atriplex hortensis**; **betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants)

IT Stress, plant
(salinity, resistance; **betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants)

IT Plant (Embryophyta)
(transgenic, expressing BADH of **Atriplex hortensis**; **betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants)

IT Dicotyledon (Magnoliopsida)
Monocotyledon (Liliopsida)
Strawberry (*Fragaria chiloensis*)
Tobacco
(transgenic; **betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants)

IT 276265-01-1
RL: AGR (Agricultural use); PRP (Properties); BIOL (Biological study); USES (Uses)

(nucleotide sequence; **betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants)

IT 9028-90-4
 RL: AGR (Agricultural use); BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process); USES (Uses) (of **Atriplex hortensis**; **betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants)

IT 276265-06-6, 2: PN: CN1221034 PAGE: 1 unclaimed DNA 276265-07-7, 3: PN: CN1221034 PAGE: 1 unclaimed DNA
 RL: PRP (Properties)
 (unclaimed nucleotide sequence; **betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants)

IT 276683-87-5 276683-88-6 276683-98-8 276684-01-6 276684-02-7
 276684-12-9 276684-15-2 276684-16-3 276684-17-4 276684-18-5
 RL: PRP (Properties)
 (unclaimed protein sequence; **betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants)

IT 276240-79-0
 RL: PRP (Properties)
 (unclaimed sequence; **betaine aldehyde dehydrogenase** gene of **Atriplex hortensis** and its use to generate salt-resistant transgenic plants)

=> d his

(FILE 'HOME' ENTERED AT 18:21:38 ON 12 MAR 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
 ENTERED AT 18:21:50 ON 12 MAR 2004

L1 288 S ATRIPLEX(W)HORTENSIS
 L2 632 S BETAINE(W)ALDEHYDE(W)DEHYDROGENASE
 L3 13 S L1 AND L2
 L4 7 DUPLICATE REMOVE L3 (6 DUPLICATES REMOVED)
 L5 1 S L4 AND GRASS
 L6 1 S L4 AND TURFGRASS

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	31.86	32.07

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.39	-1.39

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